

• E5FA Series 5.0*3.2 Glass Sealing Crystal



FEATURES

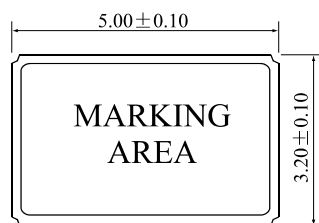
- compact and thin (5.0*3.2*1.4mm max.)
- Suitable for various applications
- Primary solution for DIP type crystal design looking to consider a switch to SMD type
- ROHS compliant

Electrical Specifications

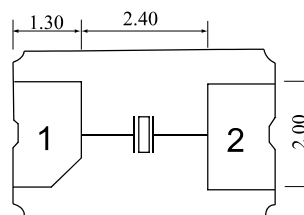
Item	Type	E5FA				
		8 to 9.999MHz	10 to 11.999MHz	12 to 23.999MHz	24 to 54.000MHz	48 to 80.000MHz
Frequency Range	F0	8 to 9.999MHz	10 to 11.999MHz	12 to 23.999MHz	24 to 54.000MHz	48 to 80.000MHz
Mode of Vibration		Fundamental				3 rd Overtone
Load Capacitance	CL	10pF to Series				
Frequency Tolerance	$\Delta F/F_0$	$\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}(\text{At } 25^\circ\text{C})$				
Equivalent Series Resistance	ESR	120 Ω max.	80 Ω max.	50 Ω max.	30 Ω max.	70 Ω max.
Temperature Stability	TC	$\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm}(\text{Refer to } 25^\circ\text{C})$				
Operating Temperature Range	T _{OPR}	-20~+70°C, -30~+85°C Option				
Storage Temperature Range	T _{STG}	-55~+125°C				
Shunt Capacitance	C ₀	7pF max.				
Insulator Resistance	IR	500M Ω min. (At 100V _{DC})				
Drive Level	DL	100 μ W (300 μ W max.)				
Aging	F _a	$\pm 5\text{ppm max. (At } 25^\circ\text{C, First year)}$				
Packing Unit		1000pcs/reel				

**Please contact us for inquiries regarding other Specifications

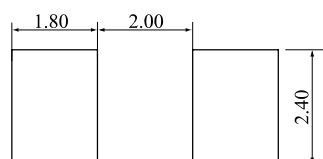
Mechanical Dimensions(mm)



Top View



Recommended Solder Pattern



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Specifications are subject to change without notice